

**Universiti Teknologi MARA**

**NFC PAYMENT PRINTING SYSTEM  
FOR LIBRARY UiTM JASIN  
(UiTM JASIN LIBRARY :  
PrintingKJM)**

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**Thesis submitted in fulfillment of the requirements  
for Bachelor of Computer Science (Hons)  
Data Communication and Networking  
Faculty of Computer and Mathematical Sciences**

**January 2018**

## **SUPERVISOR’S APPROVAL**

### **NFC PAYMENT PRINTING SYSTEM FOR LIBRARY UITM JASIN**

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JANUARY 31, 2018

## **STUDENT'S DECLARATION**

I certify that this report and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline.

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## **ABSTRACT**

Nowadays, our mobile provide varies of technologies such as Near Field Communication (NFC). Currently, the printing system of UiTM Jasin did not have any best approach that are friendly between users and the system. This is hard for users as they need to go to library and use the system to check their credit balance in their account. Therefore, this project is aiming on developing a mobile application that works with NFC and able to provide sufficient information to the users. Furthermore, there are few phases that need to go in order to complete this development. This project is using System Development Life Cycle (SDLC) as a method to complete the development of this mobile application. This project was developed by using Android Studio that have NFC and Google Cloud Print coding in it. Based on the finding, this project is able to deliver information correctly by using proper user interface in both development which are mobile application and web-based system. Other than that, this project are replacing the system with NFC environment instead of Radio-Frequency Identification (RFID). Not to forget the functional of this mobile application which will work in NFC environment. In conclusion, as mention earlier, this project is developing a mobile application in NFC environment and the limitation of this project is only compatible to read the file that is uploaded in the system in pdf format only.

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